

ABSTRACT OF THE DISCLOSURE

A variable shape mirror comprises a frame member having an opening, and a thin film having a first region including a reflecting plane and a second region of higher rigidity than the first region disposed in the outer periphery of the first region, being supported in the opening of the frame member. Other variable shape mirror comprises a frame member having a first opening and a second opening, a first thin film having a reflecting plane, forming an electrode, and supported in the first opening of the frame member, a second thin film forming an electrode electrically conducting with the electrode of the first thin film, and supported in the second opening of the frame member, and a substrate bonded to the frame member at a specified interval, and having an electrode at a position opposite to the electrode of the second thin film.